

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005308

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl' H01F41/04, 17/00, H01G4/12, H05K3/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl' H01F41/04, 17/00, H01G4/12, H05K3/46

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2000-40633 A (Murata Mfg. Co., Ltd.), 08 February, 2000 (08.02.00), Full text; all drawings & US 2003/38372 A1 & US 6555913 B	1-7 8
Y	JP 11-186097 A (Matsushita Electric Industrial Co., Ltd.), 09 July, 1999 (09.07.99), Claim 1 & EP 938107 A2 & US 2001/20754 A1 & US 6413456 B1	1-4
Y	JP 2001-110662 A (TDK Corp.), 20 April, 2001 (20.04.01), Par. No. [0025] (Family: none)	1-4

 Further documents are listed in the continuation of Box C. See patent family annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
31 May, 2004 (31.05.04)Date of mailing of the international search report
15 June, 2004 (15.06.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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PCT/JP2004/005308

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 59-32115 A (Toko, Inc.), 21 February, 1984 (21.02.84), Full text; all drawings (Family: none)	5-7
Y	JP 2001-267167 A (Mitsubishi Electric Corp.), 28 September, 2001 (28.09.01), Par. Nos. [0022] to [0029]; Fig. 3 (Family: none)	5-7
A	JP 9-199663 A (Fujitsu Ltd.), 31 July, 1997 (31.07.97), Full text; all drawings & US 5722162 A1 & US 5930890 A1	8
A	JP 2000-182870 A (TDK Corp.), 30 June, 2000 (30.06.00), Full text; all drawings (Family: none)	1-8